

✓

L3 ANSWER 269 OF 379 CA COPYRIGHT 2004 ACS on STN  
AN 110:178515 CA  
ED Entered STN: 12 May 1989  
TI Ammonium chloride-containing cement stabilizer  
IN Xia, Xucao  
PA Shulu County Cement Factory, Peop. Rep. China  
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 11 pp.  
CODEN: CNXXEV  
DT Patent  
LA Chinese  
IC ICM C04B022-12  
CC 58-1 (Cement, Concrete, and Related Building Materials)  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 87102830	A	19881109	CN 1987-102830	19870418
	CN 1004548	B	19890621		
PRAI	CN 1987-102830		19870418		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
CN 87102830	ICM	C04B022-12

AB In the manuf. of **cement**, a NH<sub>4</sub>Cl-contg. mixt. is added to stabilize the **cement** when the CaO content in the **cement** clinker is high, e.g. 3-7%. The amt. of NH<sub>4</sub>Cl used is 1-2% of the total **cement**. A mixt. comprises NH<sub>4</sub>Cl 1.1-2.4, poly(vinyl formal) 0.04-0.1, fly ash and/or zeolite 2, and sodium nitrite and/or sodium thiosulfate 0.2 parts. It is mixed with the **cement** at 1-4 wt.%. Thus, NH<sub>4</sub>Cl was used to stabilize a **cement** contg. 4.8% CaO. The initial and final setting time were shortened from 4 h 32 min and 7 h 12 min to 51 min and 1 h 38 min, resp., when 2% NH<sub>4</sub>Cl was added.

ST ammonium chloride **cement** stabilization; polyvinyl formal  
cement stabilization

IT **Cement**  
(stabilization of, with high calcium oxide, by ammonium chl